



ADVANTAGES


Chem-Bio Opportunities




Chemical Quality Evaluation Laboratory (QEF)



Homeland Security Training & Support Opportunities



Ammunition Marketplace Opportunities



The robust chemical biological defense and equipment markets (DoD, federal, state and local, and private) present a number of new opportunities in manufacturing, testing, research, and development for companies seeking to partner with PBA.

Manufacturing: Pine Bluff Arsenal's recognized chemical biological defense production capability in individual and collective protection can provide potential partners with increased market share and ensure that customers' state-of-the art manufacturing, delivery and cost requirements are met. Potential partnerships in manufacturing include collective and individual protection equipment, chem-bio detection equipment, and decontamination equipment, among others.

Testing & Surveillance: To support its chem-bio defense and munitions manufacturing missions in protection, decontamination, detection, and demilitarization, Pine Bluff Arsenal conducts materiel surveillance and testing, analytical assessment, quality assurance, and environmental monitoring. Testing types include component, material acceptance, first article, product support, and surveillance all supporting the life cycle of chem-bio components and end products.

Engineering, Research & Development: Pine Bluff Arsenal maintains an experienced, multi-disciplinary engineering staff to plan, manage and implement technical projects to support and develop existing and future manufacturing capabilities. In addition to classic engineering support, PBA boasts a Production Engineering Laboratory (PEL) for new product development and producibility enhancement. Facilities are also available to simulate various climactic and rough handling conditions, including transportation-induced vibration.

Along with several other labs currently operating on Pine Bluff Arsenal, the new 40,000 sq. feet Chemical Defense Quality Evaluation Facility (QEF) offers vast opportunities for the testing of chemical defense equipment, as well as chemical munitions in a state-of-the-art environment.

Facility Capabilities: The QEF is capable of supporting quality assurance and lot acceptance testing for large filters, individual protective equipment, as well as phosphorous, colored smoke, incendiary, riot control, infrared, and illumination munitions. The QEF also has the potential for testing decontamination equipment and detection systems.

Toxic Chemical Surety: The QEF facility has been designed with extensive laboratory analytical and monitoring capabilities in support of the disposal of nerve agent, VX, and mustard gas. The QEF has over 20,000 square feet of space that can support operations with surety levels of toxic chemicals.

Available Space: Space in the QEF facility is available for PBA partners looking to engage in chem-bio related activities that fit Pine Bluff's mission.

Lab Specifications

- Total Space: 40,228 SF
- Toxic Space: 21,923 SF
(Includes Support Structures: 8,668 SF of lab space)
- Non-Toxic Space: 12,402 SF
- Administrative Space: 6,042 SF
- Capital Equipment: 70 fume hoods
- Surety/Security: Intrusion Detection System

The newly created Department of Homeland Security (DHS) is increasingly oriented to state and regional-based public private partnership strategies to provide Homeland Security (HLS) solutions. These solutions require entities with expertise in HLS related areas such as training; equipment identification, evaluation, procurement and production; grant management; response and crisis management; and logistics support (e.g., acquisition, storage, surveillance, maintenance, distribution, etc.). PBA has effectively parlayed its capabilities into the first responder market niche. Partners can build off PBA's expertise in four main areas:

First Responder Training: The Clara Barton Center for Domestic Preparedness is a state-of-the-art facility designed to provide on-site basic education and training for those delivering humanitarian aid during weapons of mass destruction incidents.

Equipment Technical Assistance: The Domestic Preparedness Equipment Technical Assistance Program provides mobile first responder training in selecting, operating and maintaining radiological, biological and chemical equipment.

Grant Technical Assistance: The Office of Domestic Preparedness Grant Program provides jurisdictions with technical assistance to expedite ODP grant expenditures and ensure grant compliance.

Equipment Reuse: Homeland Defense Equipment Reuse Program-DOJ and DOE surplus equipment program.

Pine Bluff Arsenal has the capability to produce, renovate, and store over 60 different conventional ammunition products ranging in caliber from 440 mm to 175 mm. Eighty-five percent of these products are only produced at PBA and the arsenal is the only facility with the capability to fill white phosphorous munitions—providing potential partners with unique opportunities when locating at PBA.

The arsenal's specialties include production of munitions containing payloads for smoke, non-lethal, riot control, incendiary, illumination and infrared uses. Smoke payload (signaling, spotting and obstruction) capabilities include: white phosphorous, red phosphorous, terephthalic acid (TA) and hexachlorothene (HC) for both munitions and grenades.

Distraction and Riot Control Grenades: The arsenal is capable of producing munitions designed to provide friendly forces the capability to stop, confuse, disorient or momentarily deter a potential threat with out the use of deadly force. These include a distraction grenade designed to be fired from the Light Vehicle Obscuration Smoke System (LVOSS) and the "CS" riot control grenade.

Incendiary Munitions: Incendiary munitions, produced at PBA, create a very high temperature in a concentrated area to destroy equipment such as vehicle mortars and electronic equipment.

Illumination and Infrared Munitions: The arsenal's illumination and infrared munitions are used to enhance night fighting capabilities by increasing the effectiveness of Night Vision Devices (NVD).



UNLOCKING THE ASPI OPPORTUNITY

Pine Bluff Arsenal is one of three arsenals participating in an innovative program that provides exceptional partnership opportunities for private sector firms seeking a closer relationship with the arsenal. This program was congressionally mandated in 2001 as the Arsenal Support Program Initiative (ASPI) and is focused on leveraging private sector resources and arsenal attributes to increase arsenal utilization.

The ASPI program provides incentives to form partnerships through facilities use contracts, loan guarantees, and incentives for tenant improvements and building upgrades. In exchange for a wealth of attractive incentives, congress has mandated that these partnerships meet certain goals.

ASPI PARTNERSHIP GOALS

- Utilize existing workforce
- Reemploy and retrain skilled workers
- Encourage commercial use
- Provide opportunities for small businesses
- Maintain manufacturing skill base
- Demonstrate innovative business practices
- Be rapidly responsive to free market competition
- Reduce or eliminate cost of ownership
- Reduce cost of DoD products
- Leverage private investment
- Foster federal, state, local & commercial cooperation

A WEALTH OF PARTNERSHIP OPPORTUNITIES

Chem-Bio Market

- Manufacturing and Renovation of Chem-Bio Collective and Individual Protection, Detection, Decontamination, and Contamination Avoidance Equipment
- Materiel Surveillance and Testing, Analytical Assessment, Quality Assurance, and Environmental Monitoring.
- Engineering, Research and Development of Chem-Bio Products and Components

Homeland Security Training & Support Market

- First Responder Training
- Equipment Technical Assistance Training
- Grant Technical Assistance
- Homeland Defense Equipment Reuse Program

Non-Lethal Ammunitions Market

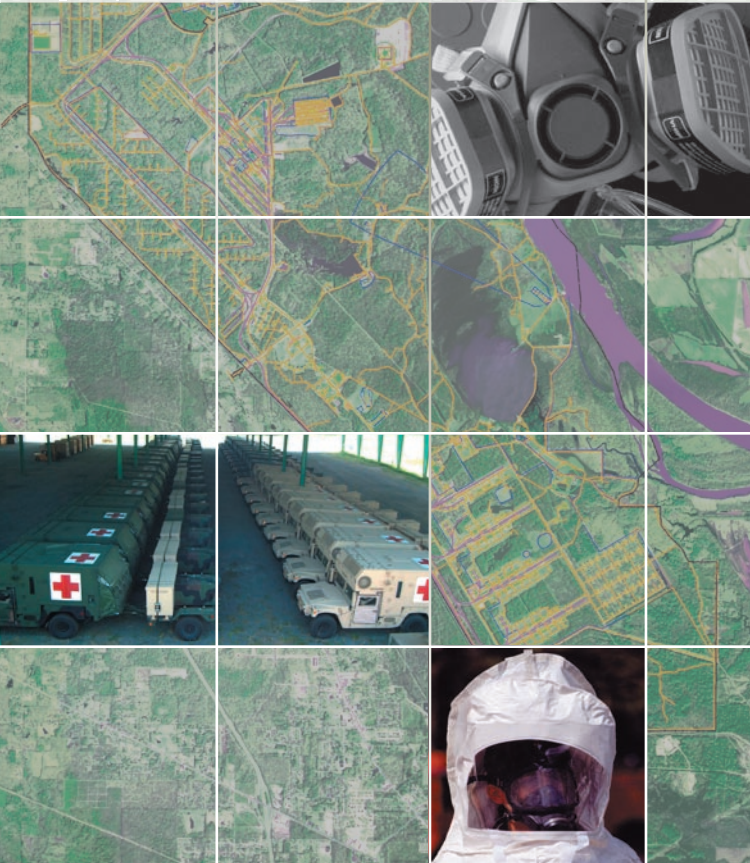
- Conventional Ammunition Production
- Distraction and Riot Control Grenades
- Incendiary Munitions
- Illumination and Infrared Munitions

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PARTNERSHIP OPPORTUNITIES AT PINE BLUFF ARSENAL



ARSENAL SUPPORT PROGRAM INITIATIVE



PINE BLUFF ARSENAL

Pine Bluff Arsenal (PBA) was established in 1941 as a Chemical Warfare Arsenal with a Biological Mission added in 1953. Pine Bluff is the only arsenal with major storage and maintenance functions and a specific mission to store the stockpile of chemical weapons until disposed through the Chemical Stockpile Disposal Program. PBA satisfies the Department of Defense's peacetime and replenishment requirements by providing US and Allied Forces with critical products and services that are primarily unavailable from other sources. PBA's core primary missions include:

- Non-lethal ammunition
- Chemical biological defense
- Engineering and technical support
- Mobile and powered system support and base operations

The arsenal is located in the south central region of the country, 38 miles from the state capital of Little Rock. Pine Bluff's location and strong transportation infrastructure provides unique attributes for a potential partner including strategic access to four US highways, two rail main lines, and access to inland waters ways of the Arkansas River.

